

1 Amendments to the Claims:

2       This listing of claims will replace all prior versions, and  
3 listings, of claims in the application using (Original) (Currently  
4 Amended) (New) (Canceled) (Previously Presented) nomenclature, as  
5 recited in the below listing of claims.

6  
7 3. (Currently Amended) A communication system for broadcasting a  
8 channel signal, the system comprising,

9       a detection receiver for receiving a channel signal having a  
10 modulated carrier for communicating first messages using a first  
11 spreading code and communicating second messages using a second  
12 spreading code, the detection receiver comprising:

13       a first replica spreading code generator providing a first  
14 replica spreading code;

15       a second replica spreading code generator providing a second  
16 replica spreading code;

17       a first despreader for despreading the channel signal into a  
18 first despread signal;

19       a second despreader for despreading the channel signal into a  
20 second despread signal;

21       a first carrier demodulator for carrier demodulating the first  
22 despread signal into first quadrature signals;

23       a second carrier demodulator for carrier demodulating the  
24 second despread signal into second quadrature signals;

25       a first power detector for detecting the power level of the  
26 first quadrature signal for providing a first power signal;

27       a second power detector for detecting the power level of the  
28 second quadrature signal for providing a second power signal;

1       a comparator for determining which one of the first power  
2 signal or the second power signal is present; and  
3       a selector for selecting and providing the first quadrature  
4 signal when the first power signal is present or for selecting and  
5 providing the second quadrature signal when the second power signal  
6 is present, the first quadrature signal communicating the first  
7 message when the first power signal is present, the second  
8 quadrature signal communicating the second message when the second  
9 power signal is present,  
10       the system further comprising,  
11       a data source for providing the first message during a first  
12 time period when the first power signal is present and for  
13 providing the second message during a second time period when the  
14 second power signal is present,  
15       a code generator for generating an original first spreading  
16 code and an original second spreading code,  
17       a spreader for spectrum spreading the first message by the  
18 original first spreading code and for spectrum spreading the second  
19 message by the original second spreading code, the first replica  
20 spreading code being a replica of the original first spreading  
21 code, the second replica spreading code being a replica of the  
22 original second spreading code, the first message and second  
23 message are spectrum spread into first and second spread spectrum  
24 signals,  
25       a transmitter for broadcasting the channel signal by  
26 modulating a carrier by the first spread spectrum signal during the  
27 first time period and by the second spread spectrum signal during  
28 the second time period, and

1 a first code receiver for receiving the first message during  
2 the first time period, the transmitter system communicating to the  
3 detection receiver and to the first code receiver during the first  
4 time period, the transmitter system selectively communicating to  
5 the detection receiver and not the first code receiver during the  
6 second time period.

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8 4. (Original) The system of claim 3 further comprising,  
9 a plurality of detection receivers receiving the first and  
10 second messages.

11  
12 5. (Previously Presented) The system of claim 3 further comprising  
13 a plurality of first code receivers for receiving the first  
14 messages.

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16 6. (Original) The system of claim 3 wherein,  
17 the first and second codes are partially correlated.  
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